271-292

H. G. DYAR YOSEMITE, CAL. 33 4 She belo of V. antropa 1.2 2.4 3.2 1.5 2.4 3.4 3.2 3.2 1.7 #12 2 South En

NEAVA DAL TAR SEGONE VNE S SI YWK OCCUS ENEW Eggs laid by white of Colins enrytherne yours teal, June 4, 1891 on little alfalfer-plant Egg Spridle shoped, set on end, longtindrally arbeed, the sits benedly more than him and appearently very omnsled strated but handly Deen with glac. Pale jellow, becomy reddish Lugth 1.6 mm, width ,5 mm Laid sufly L'ana in 100 stage? Ha dull black W. 25 mm Okothy minuted trans creased dull dank greenship Layth 1.6 ann when found molt Jule 8 Head green with minute black date, welli black, I grante brownsh WH mer Body dull green amounted roughered & private, the Anytherses fales Hatched mell Ha black, Darne as above clesc. (moto me 16 Harond Jah green thicky dotted and I small House giliferon spots; velling block, month Jole i w 7 anno lody leng green, enmulated to would with black gulifen dot, each sur to manded by white. A aliquetue whiteh like tim. Bile Ahrt, blackinsh wolf fru 17 Hd great Intexpun 19 Hd green spieleled with black pilipy doto, month a little yellowish, ocelli Atack.

Sese. Y David Britis land A18/Corried 91. W 1.2 mm Booky as before but stig, line very district, white, almost whent on 13 mat. I. Corgninii for wellow alfré linge at entrance y herada trail June Grune Get nort fure 14 Hd, green, thickly covered enot titte black piliferon elots; veelle black Ha bilobed, the aprices property and hotels and month howrish, wir nun, Rod green, tuberculate as if aved wet vallforment annelated, the black preferr dots each Sull olive how, the encurry war land & style black, anonthe dalla Wyour var land 28 of the indistrictly surrounded by whitish, very faint indications of a dark de st full sed lines, derach at 3,4,6, on 3 a par 2 and the roughly tuberculate, 2 molapilis india 1500 and 11-13 awall o-d 700 Sty. live district white, marked below bu now of requientary black spots. Late a finde eyellow him approsin the whole 11-13 small o-d toberely terguntum the band the vools apots one fairl. and close together a number of quality with Chaptalis The slight enloyed, and later my cases projectly, large, head ter direach in 5-7, 11-13. Metroperture of the musty a a form as usual is what hown sheeling into pursual or joint eye prominent, color bythe green, a 2-4, but still faity motited with the geliver shade on the point on the ban grows color, on the hump on 6, pale our & a yellow lateral band on the aldone yellow, buft in a dosal band where below which is a ran of blocked at and an the ground color prevails, a laye patch interripled dark and stude. a none meny what on 8-10 doroally list in 8 block dots at onter mayor of my guses from & 9 haterally, contany or few strents 219, w 4 mm. By look & generates of the ground coly, an wifeth head Imago July 7 & Ceolias emptreme

H. Villary choles cherry & poplar white site Equator band on 5-13 Hugher add DOESTE BOOM quater Spring base quel centrally a conculd Wedt itungh my cares 8 mm. N by white. Percesses on 38 lutrulian 13 Jungo June 27 Liminatio Cognerio bleckish how benter motted with megg June 28, Subspherical, the base whitsh with a meder ventral wearly flat eneed with worded depression, from the intersection of the stiruted ret white him, and feel elevated in refere and body burnebel, turned to one aide. aprines total file Color grate green with a silvery lustre. Suigh at the of leaf. Rupa June 13 as usual in Luminitio . Eye cases prominent, positest, thereny beeled, my cases very large, projecting; on the and joint of the Stage I. June 29 on little perch mod with of abd dreally is a very large engular drate they ofin to end y leaf. It d round, I poole how was projection, No side somewhat creased not sling, eyes & your block, a few mint and tapering the Last segs rounded of hair from yellowish clivalet bases Wigmin Creveste large, flat, fastered by it m-God slightly enlayed at 12, feet nomal, mens horks in the anial of site spring gellowich, with you of short corneal Interes the dava from which the propa is and feeled larged dosally on 3,4,6 812 with some Cases & abd, tump subtransfucert olive overy short and minute have, Jalorg perch gray, throng dull jumplish mother with textuateled July 3 W. led , 6 mm as above, 22.3 mm white; and nearly all andid who but motify 3 Ad rounded, brown, with 2 frales shoded must gray and black, durally lating lens in of out converging sorvand wenter; coughly and in a broad ventral band, but the terminal babereulate, the tuberels yellowish W. I min segment a curraster are entirily black. Boly densely tuberculate, each tobered wit Leyot 25 min; thekeres though throng Janny

General out was the cash of anome the africal of the form of the first of the form of the first of the form of the first o t white so vaind especially it-13. Feet Where vertier Lencal color dank how mit a hjad dull ocher dreal fatele which hair, with a spined proces from the verty miden on junt 3-5 and 8-10. Sitions at end of long perch, with hits of dead leag at base Jeach love. Baces of whitemas fale. W/ rum moltfuly Hd bilobed, bulging in france, very Rody sadid vivous with long blick offered rough , tuberculated but tubells not dange, processes as follows on 2 more, but a few bais Color dull brown clypens & tubercles frales that 1.3] latter, laterally topped with yellowish W 1.4 min in 3 &4 5-d & Styrnotalenote a few have 5-V. on 5-12, I dosal afine, sol, lateal & Sol Body rough a triberentate, a pair of 5-d tuberculate on 13 this sod. Oshield, and plate & fact processes on each joint except 2, there in 3, 120 and ofine black except baces of these in 13 largest, three on 4 6911 arest in air, the 3,4,6,8,210 which are yellow, the other are smally. Ofthe similar tuterel is a a. 25-d. Sprus on 4, 6,8, 210 Very especial duble d'live à 2 latual Viside numberous gellow, Sproch block in a white ma avall granulation. Body block with a driver On megulen donble yayed a sind stig, white patch in 8-10, reaching down the rice in g pale yellow band. V All the laterch & grannlation are duly yellows not the 16 to before but body nearly black will bead Brum. A stope delivances the sty him owne especially on junit 2-4. Buffels noperely, surely chype returnely a expediency as out the acuty is in deplicae, alone a below the spreach, inequal wered wist a third heard give indictors duel varieties when subventoely dreak his is much searlish from double centuly the tribule frale dr. J. Somm. of sond want like prompter their de of 3 are wellned into a fin a horns town log, there side 4, 12 & 13 larger than other, Body denedly tubuculate replaced, especially antering by hearson White, a dineral white patch 8-10 don piece of 9 all saluch pale hour. Some de crear copen spholes sturb with annels which are with

H. G. DAR CUPIES 81
YOSE 274-, CAN CAN and her findating him of the charact of annul his OSEEN JE for Com on 8 1 10 fall Thata an Everebery yount June 14, 1891 elogate elliptical, flat below, the feed all yeller, on 3, 4 e 6 buff. In refue and feet are elimited to head burned cerestion hands show, side stoping discion formy a narrow moltjung 23 Ad beloved, a spread process at von flathered right, sightly inde on 3 eye troy verter y each love, below which is a amalla hypert at 5, takery down each way to the process and spind and topped with a har. Clypers lage, com shing blade wish on any small Extremition, He activated under 2 perhotestate getter gittern taberele. W2.8am Body bearte the topical photosis block, luge, exceptoba to more part arranded with four. Wim \$ all sig 3-6 which are orange, while throw a God munital pilose, not very awall white & a to have then have white and top fall on 2 83. On 3-6 transp. stantes of nange, and granulations, a sid white time along the redge (b-1.3 mm apent) interrupted out the on 7-12 oreary white, especially in the 194, mersure, connected on 8-11 by traces De nousines (which are deap) beging on 3, I a double docal dine Stay low represents mat Sdectrit on 3 ex, somewhat fante in or her owners about in the region with centrally and consented and continuous sprices. Specie Noch to the orage advances the white increases in the direction voterinty a surely femile him on the appearing more fundly and home of the process of 7,9 el, leavy hondrer a district of ligno S-V. redge, becoming obsolete ut the extremitie dongate fact of the block ground even Both line look as of and quite on the profuce. Carlotte of wied current same but very red, send color is still block and layer observed by the derive Length, 1) ann, midet 5 mm) Spriede amale whitemarks a went very pale, all the mornally buds ancular yellowish. In subdessal trift of Japan me dente red, the S-V we straw color. ducal on 3-6 are June 9-12 white topped which I bed but go dyfen eges a plus Wartersh I setal. O shield very awall, transite, defined I June 30 Jupat July I Ob in Simple Throw whit a I done of animated promineres a project over in the centry 2 V Pupa mezo Robies, Abert, winded, def. the springles - voy cases hoffety and topy reson but the early amall, and sep

Ado cell. 3 .5 .7 1.1 1.8 2.8 4.37 v.64 formed .3 .5 .9 1.2 1.9 2.8 appeared trobinters. General color sordiel 275 Oct 4, 1813 green, and & OSEMITTE Wild Almaly thong Eggs (noctain) I on wild goodery Joseph Jen 14,71 with a few blockersh speckeles and a smoky hamaes hermopherical [50] done retroulated black dural line which is continued in a with numerous depressions, foring your many my of dots of the ardonery. Each aide of the thethe vertex (like a thumble), micropyle a on the central part of the thought a white once of Smaller elogate depression 98 atricle arphenisted outh part fait by a Some 40 aous all around the egg, Color souled awhite curred lines. On the abd. a od quarly white, not aling Dean ? mm. my black spot and a mumber of awall Lacel in a man, 2 layers, on back side y leaf block dots besides an obsern white his Hatelud June 15 - Ad Jale Watercons, Thin, month on the first pent of all erch ged/ythe honnich, eye beach, V1.3 mm Body fale dered an of dot. aldoner Junkersto whitsh, anthonshears covered not lage laterally. Longth 12 mm; endt 5.5 mm black prhyein dots. Only the land 3 Imago July 6 Cal, w. 6594 Jai & and less frient oth largar look about was actively the sold full mannester, Chrysophenus arota Bd molt fine 22 Hd fale whitsh tatacens densely spotted with bluck. nivoth brown his Body fale coft green, 12 enlarged, the 2 and you ford amoller, then the acto, Philipin dot large black. A had evident white of stigmatal line beside manoner d, ad and lateral similarly colored lines. The short, black.

molt fine 27. Head pale white with large entirely retrety block D. 25 d live veren biglic filipesons aforts somewith truster de white, try sorded redelish, wideful W.9 arm Rody blockersh grean a dused byle below by white. Orliferaldot It , fait Esteral & hours district sty lade with white center, Log pale. quotal white lives, the latter a delite. nothing is the fale wholes with a tinge of greenish centrally. Tilefin apot, lage green; a patch of how reheated on each block farity encueled with wellist lobe, brokered alone a below by a loved Blulaged, feet normal, file about blacks dark hom attake; a number of fair block moltpity! Same. Sufern date not districtly pelipern dots; much howith; veelli black surveyed not white Broky amustely W. 2.8 mm. Boek enlaged showth at 12, feet normal, leven blockersh green, ameisting of mottled with black is a little enlarged set nothal, and each with a Made date block retriedation or a greenish ground, a parish to de live intemplete by a serie Il dots as in Charge Drot small Dales and awall. The feet greenet topped black. bluck notegymental shodes, double our finels block with arnall white cente. He harry a reddish truey s-dosally, a narrow blode I had dell red band apprecion in the centre edjed whit sed line; a hood lateral black the stepmental bound. Black of bod parioble shade; Julifers dots white, a board wer politif bread ship Jale whitesh, activations dull sed sty. band Andres wish white not livron and bearing a number large ventu pala tru alore, mostly with block pulifor spots; vielli block ja blackid non, 3-4. Julian dots black. Sprach streads at the vertex of each tobe w, 1.9 mm white with a linear black edging. Feel fod dell green, bearing motiled with block all pole. Hair fine, hale, about I mm Herially at the ander where it is arrang

month of it Ad, go before, Bill got sugar b Boelf as before but the green coasts may hockied on? Josemte, (265B) Head pale whitst Wast replaced by a gale from fine. how, reticulated with death how, shing, It I lust by in a compact hundered alleptical monte anternas fele W2.5 mm Rody In cell in the ground writing what. reddish drown only slighty mothed In Julya Cylindrical, abel olighet enlarged by aparsely shraked with black. It. by centrally, cases moderated fromis dots white . Leaves of u driver 1 5-d It a slight depression bet this i ald Jales lin, defined by names blacksh In crement very short, coursely ? 2 Jured Monders & a hond sty hand evely or open, separated at the tips and two the pale apricel, only slight more or other outside, but in line write there gellowich than the general even & very of color light howineh yellow unaver mensperon. Vent grater. Bret not Meyto 14 mi; w 52 mm denten in shing. (Acad) nothe abdorned sutures. In Head formed in purpase Soft 2 1891 Xyloringes pullibers Sit (2) alrex J. 02.8

Cale. .33 .63 1.38 2.6 vatio .53 millionich, Ha. 867. VY Biglief belebent howant block jahr Ent Beit Ety CiAnce the dyfers; a fundair. W 1.4 mm. Body pale Egg on willow yos Event hinery right Henry wat or objetely convicted, bise floor feet edges rounded, Invotte, dank gray (hat je) Drain if sum yellow frut 5 a 12, or tripheale u-line, brood Hatelful June 18 Hed string Headle, later pale lateral & confused tayle 5-4 line all scattered bair from snight rome tirberels W. Hamm Body slight flattend, whiteh totaled black, a few pale hair, 5 a 12 concoloron west the mothery, train fale. she lity enlarged dorsally, the lateral region Three the & Hafale how whatas with block a white charles agent a for a sayes black, milt 2,6 mm and 5,7\$12 drougly are winered This jeet lage, pale; ald normal, all weed. 2,25 dod as the but ster lateral brend is farity Hatthy round hale in westery of and leave ment gold Spin together 2 leaves as a lingt & began to wit dinded a drubble yellowish line. J. 13 Brothe figure Hot brief Hd black sling, many all yellowed. The round projects gulfern totherch are dichity yellow with contral entire dech. Book flattened, pale yellow markengs VC- shield smally Jule white yellow, narrow togtriale John and, e how, and fette med distriguishables very hood lateral bends of dull win con as also humps on 5 2 12. C. Shield come? Har whitish from both lode a bread of as quete black ofthe dull greensh, less black? steps advances the come vecome quite pule for dank had will and Body as the and this of few once is write changes things color white group a toplicate dense insolvery fax who por before the dull jumple line, 3 lateral line, the hope variet full, with an indistrict tip central prosest district, the other honder a line of dull wine color This is house sigh

J. bifina Egg on Coffrefresh, spherical-convicul, base feet. Flus of cries for weil in I brucer by Falso must come oney over to I have titch Smoot shing shocolate boun; dian lawn. in they are got much western forms git her the care of I wan is still also on choke cherry June 18, 31 (quathless) unknown as of a spit is inprovble diffuer All the Glin DXAR men best holen to compare they carly stages. with mothing Y OSE VIET Ety Classishively Then land had dut & steps Noche Some purple sor mothly wents and then are trustered in taypen Jale. Pit Toberch yellow, normal in arrayant Garace frox oprach took apparent absent, Harry whiteh there. one from each tuber to, but held not feat. Cocoon of 2 leaves afron logeth and lived wit threads. wade july 19. Heathyur , Justobly I van hielelad from Outra hearly oghnolinal, flatitud a but mutually gradually takery y an poplar Jefferson thigh ands Wit holymers 19 1895 protocol but of weary war under no forto Inlayed; loses will beg. mudes account by alenger, too radiating strongly recurred cases ithe nearly blacke. Line W. J. Jann Imago & July 28. Carrol 143 Solutiona Cisiria

call 75 Journ 7 1.18 1.84 2.88 41.5 gatio .64 Shipper Son land & Hosaclein grandiflorer Pupa on a rock fromite June 17, 1591 hovel of the the John 18, 1891. Land on weder side. who a Explore - Thong very slightly elevated ough, cylindrical olighty correal, flattene controlly & obtusely founted . eye case large, above and below, above is slight ridge, minig my cases very large, many much above tota maropyle which is slightly depresed the eldown at this preterin end, a and observed returned total Color conform way gentle depression bet thing a obdories abdomen curred overventucky, the Jakyellowich Dean, Janus. Hatchel Type 23 bid lage round, along bleet of cremester fasterd in a silk button on the I side of rock, so propa touchalogot Estued lage, block, just red. Body and ventral enface. Seneral color chreshite shy unform greenile yellow, another pale rage how shooted with pale how and most hade 28 Hd lang, object, beloved duck Osheed large shing black . Rock uniform black; eye i wing cases black, slight anotated wick full how, though layely motted with Jule brown and wit & green, everd with merriale july woo whatist draak blede ahoors, olacure i dippre, granulations which seem to form an obscure On the contens part of each ald sig. is a Id line Dosal oressel olightly darkers V more 36 2 Hd large, nomaed, risted 189 head blick stade, out triungularly on the dural die by the pole ivor home own hopin black on in land stage W1. Jann of the Jester of Jak of the request and Lody as before, sid live understery distinct Springle shing black. LZown W5.5 mm most Hen 7 Head large, rounded, amounte oderdy principled, covered mot amonto wents file which does not observe the autace Color As of slight blust point a coding just covered to week town

Constant of black 427 min fold Hurial smooth shing chreolate hown D.6 yellow, amutely granulated, cored wit very munt alins pile. a mot very dret od gellowsh line. First pais of through and have author, appearing John frosted like Expendes bataland feet block, the rest consolvers with fire Byen to hybernate about the last & July cery motopel 16 Head lage, rounded, andrie suture shocker, somewhat deeper over veitey, chille William Tocal Santa Valacia. Took and last a fee. very indistinct - densely covered enot amount sullative Feb-10, 18/2 bit absorber a weall, granulation, averging into creaces around the Dear 7-6-15,192 months during but runnited pulse. Cole deep horm, almost black, unicolorous lines notrace & ingellow effet) somewhat reddish alor the moint havit black w4.5 mm Body, 2 amely, Osliveld large, covery the upper post, line of 2 black the rest of dull red, it spreach large sould greenich gellow, motited with Wall around the anner yellow fulfer granulation Unindistrict bluckish d, a lateral live and bossin more district yellows of line, all becoming obsetet at the extremitie. Pile consume the body & bread enast the smooth

cale ,6 ,9 1.4 2,1 312 hat. 66 whiteh, a darker doreal live and yelling Latte land is home on wellow on Endance grante Jun 18, 1891. Hed bilobed, black, 5 d are the whole argues thicky dolled with small yellowish epots. All pents withing latern pale a few also pule consolno. no c-th, no mal frute, bons. W. form Rody not thing, pale yellow Shit cally sty 24 (See los sty 26) 1 tes on 10 umaculate, muntit but spessely prince attenta Barbara; off about sec w. thousand by Hd beloved, africes of love promited tereared out for totally, 1892 and did quel find it. Robably deed. with lot with and district tuberely in punctures deniely covered west short what file; latrum amouth; w 2.2 rum Body amale it 2, layer centrally, no coshield. Seg. suture rather deep sall minutel Julie . Timodo as pale green, earth whiteh & densely covered with awall sokewe rellowish spot, a darke dreal and polyellor sod him, fait at extremitie sees med mes bid very condute, any heard, and aling minuted piloso; pale home hit black on the labour, occipit and veiley between the africed love as also slyling along media & sutrue above elypers. The Mache whitet created shoots on each aid the front. W. 3.2 mm. Rod, som for sould greensh

Aug 16 slight deplace G bet youthoug himset Theeler on the Good guerral Julie Serre Y 650 En Junte Calin Junte (olvitt) 6), montitled with blockist; case, dule testacen, whose into wald a month, lahon fale, jans black. W rum Body flat wentrally greenish heavily anothered with block, an observe pala sa line (12 aproved) and a a or ridge, side alogy, derson flut. wides wherethe body is highly (5) and faint brock droud line, the latter run narrowy to each extremit, amonth ming the whole length L. 9.5 W4.5 from Lungo July 5 Cent no 6592 = 6478 V granulated with white fine about fire white I South before green (min) jellow to Jami district 5-d white line beging on 3 mar togetto melening to 5 sthen graducely varioning fent being fearly and some what differe on 11-13 & a Dernie very deline bur or any fold, obsoleto, one but distant ever to eval plate of On oblying faint white lines 2 or each off The body to us anne than in the wither Thickest Gahreld in cente 12. Ruall, of indistrit, sinker, ingularly triengules 115 mm W 4.5 mm V 6 who By cremaster & strap. Heatherd ventally and lage, rounded, says wheread; a

Elimina salig sig 284 (Mrs.) Has .4 .7 1.7.13 1.8 2.1-2.2 3.1 (4.3) 8.72 shede suttonedy the light on 5-8, and Organia organic vale, what I cake let pur 2091 a bring been Osied To prost A =0 -12, all State Sminhed Hold horning book shing bloods Asonto O-Be rel tutercle all blood rid corrections, Pluma peners y short hade 255mm 2 6 12 things on 3 0 6 Body & wants block, Van Aton black, bristly, no percel nor bush tretto. Id work on 2 large, retractile toteich on 10 es swell how, as 7 & 8 white, Och hai long Stage 1.2 nm bbd brock with a horn trige, Stope 2.2. Well the string win to war the seed (2.2) latrum white. Budy black except on the bounish tujo. Labren & antennae pale cossen on, 34 4 where it is nellouish white yellow C-Strick blocks pending a a re with a ble is dozal him, and a yeleman 3 cmm loy - as before Beach on before I apost on 9 6 10 and wants all place, and has the same I the wants one 1 hai long brack short plured black and, sub-sub-down 5-12 (2) I-d, (3) Replanting Jewill from Don 2 (nove on 12) amale @absent & S-V & J-V, pres at traces of legs ansal black hush lifts on 5 26 and Trawall on writer & legler segs. On 2 @ 8(3) a few about tryled white light on 708 on c-thield, amally to large, s-d, & large marts (2) on 9 a little red trited. Retractile lateral; on 3 ey all present hix D, ourd Stoffe 1.8 mm Hd tromis black lahren c arrived up somewhat, On 13 Wit 3' want the upper 2 large; very minute wants on the untermore sorded white Body greansh black and plate Springels black, a white dos below, gray on the side a black sod and first to cach. The block among the yellow a v live Dosen land oveded bush buft fells in menely all the disal yellow ja shield, a thout down a 3, 4: a space Curch with from Denys Vanil 80

9 Calc .46, .71, 101, 1.7, 2.6, 4.0 ratio .65 Calo, 5 7 11 1.5 2.2 3.1 4.4 rates .70 Jours .4 7 1-2 1.7 2.2 3.1 [Stafe 4 ming had our decidness cake, in the cracky another Sheld P.P. ledd 36 # 4 tofts gray conne]

June 22. Ha ching black habrur a little palen [" head 2. h growth had 2.8 [3 mm-] 4 books of any little gray order of the Body condid XISEN NO. 28 [3 mm-] 4 books of any]

Body condid XISEN NO Field gellowish [" Sheld 2.3 matt, hat, 2.8 [3 cm.] " and] alrede on 3. 4 89 and whiteh step. line Later the host trifle derbefit black cen That block, 5 d on large, harding this will severel. mystypely Hd round, black a bing, a white three from a want, black, ho bush beft, percil above the amount; unterwas redship nor retractile todercles, but the places of the latter are indicated by a direct red spois Roch dentegray, block downed, a s-d and 5th stop or of from 24 & marked change, Hel home suresty, hoken yellers bound. all our wants D (2) Q & G f not tuberch a corner she black, string; clyfuns pale, labrum i antennae fine crisison, the tobered a little highte white W3.7 mm. " of relvety black returns hows @ small, Just. a finales och yellow. buff o-d live on 3 & 4, expresented by lings aforts Hair long block, Pencils & North trifts as on 5, 8-11. a little frustre down the side; a before the former 6 mm. long. Brumoush. hd similer amoule a viran the whole length & Covery disease on 3 & 4 excep [another Sh. had. 3.1, head 4- 3.5+ ,75.43 4 and 3.6.] Osheld full, should with block, it wants drivison harts of the O-B fine dash courses The began to coon my of ded 3 annie Coon or al large, the lain long a block. Pencil planned regular, areally of a good confised of their a sille place, 7.5 own long! Retracted interest another ever July 3. Hel 3. Comm. We Was lava ourson, a little bughter than the words. Coon July 4 (ms) Hd in coon 3.6 min & Junja July Brush topt lange, all unicolorough brownish and of white fastly another while thistely into the active grang donker along the crest, Feet was subject to be the true to the state of the season and must have the season to be the season to be the season of the season o daniety begunde down you do body of the exetter etistet oversidal, amovely believe of again of the wife a

have eggs to Packens, Lentres & Bohr Theya Robert was a de tearre a cares prominent Mad takery, YOSEMTTE, CAL. noetrya, on willow & wised currant yreemte in munt hortes. Ifacely covered with Juste 22, 1891 Has 26 m 27 mm 257 more nacte shat fine whiteh bais. Color All black, string arrivoily, lapring to ward within eight hown, sprache black, I anterior pale yellow from mix Lengoto 12 serve, andth 5 mm. V enlaged on 12 hut 13 shape. Orling I fur a very large a whit, there, a cares * toberels very large, shing hound , each amale, my can of anoducte dize. all und a single beni @ first, sprach (1) nearly oxfunducal, cremester flattend perent their mostly, gale. But andid ending in among brooks, smooth very greensh white of me special color and shing fole how wet a few sharry olighely transleveent a d. o sa. pale vielibited fale hom. Sprach black white him, a hoad pale gellow sty. Lugita 22 ann; most and 9 ann, his should with varye centrally gings Extrency layer bolist, offing and continued manonly & indistrictly and the and feet. Throales blacks, Brog anne de alaske mys layer then renal, bour were mother wish little which afold long V color white with a fair from mold, Hel bright shing red hown laterum & berse y antennal white, jans & ocelli blacks or 4 rules tugt has dense especial on a bay buller, The feel pare ned drown Body sordied andof Justin broth tark civereon both on translucing white. D. & S. C. line marrow, gam, white sty hoad pour getter, en-Unac , atdoner, any fand thousand closing the black spriacles, Pilleron dot small viale, with your what elevated thanger bases. Legs black; anternas about fetinales and a glass body mottled with white The in honce I liaves hard with with with hate in Lugar Rams, and & gabilove 12 mm. Januaryo 7et/ Cad, ano, 6908 xy miga crucialis o mated and 9 Aug 24, 1891. Q. cana

Janger Outer 1999 trand or in with later Engelin ag dad This step almost a continue Formed .25 .506 .954 1.8 3.39 notes .53 9 10 11 256 256 256 CM Buttle unwhors the NOSE attended up the Egg laid by 9 J. Fejvinia June 23, 18/1. Sprinial Astego welv. a double d. & S- v rous of white, a little flathened get the line full about 12 a later bases of substy spins a quar feet orange truted cola alining Juliqueen. Dinning 5 mms molt my 13 Hd, bulging laterally, bilobed a trong spinese process at the aper of each Hatched John 29 Hd rounded black i shing love, porty found: solacte, very aling Will anni Body sorded greenish with long with may white ameal satisferous granblack drain curry forward from styll ulation ; lation & bases of antenne Institute tuly reles. Feet encolorous with body whitish W/8min, Rody velvety black ammbe of hair W.5 mm. Boy sadid the long sprind processes shiry blue black, a short one alone the sprace on a Jurplish, almost block, tuberle about black e a longer en below it beside a short one) bearing numerous short fine hairs, there ety, on 3 14, orange. A general dural cerrical shield yellfrish (ocher) and plate & stymotol con I white dots, 3 or 4 per sq. Moch & Gubercles on a coincal tubercle winger of the broke a coincal tubercle winger of the broke ship work after the wing the strike W. Turns the strike of spind processes to back a rune lateral of the broke and the strike of spind processes Feet all beet, the about the find with readish July 1 Hd. vilobed a short price of for the valor each bearing a har ; several lider from each proces He shing bealls, largely fulvous quetering and and well feeling eightor. Thath every the objects; spanner in futions under by subscribely, a set correct rage or gellow, pocea- Hair, labrum I have y an imac while west hum God, velvet veloc, the lodge son) and tubercle as 2 and a yellow small stender a find precede stry the black to alis BIE evlict are fall tranget & generate diffuse derial sorie, Latitut me or yout 2,3 & 4 each Sprines granners mirute Gelion date visibolarit a garment being non of large yellow af oto with many mme on 2; 5-d & lax, on 3 64; d, 5-d, supedots like the unful ceria, spot at viver & from a la will ald less made to varie the feet which Sprach Sty & substy on 5-12; 25 d on 13, Ins facts with a fall yellow to today of fall orders

Cale 32 .58 1.06 1.92 3.5 vatus .55

forms 3 .6 1.1 1.9 3.5 CM 1.0[2.19]

SSSS388

Hately 1 05 8 3 Delice a line of homograph Imogo July 15 Caxt, w. 6681. A fearth wing with,
Blanch dactiflus

287 May 13 1898 On aster yours hore 23. Like Theele but Mresonblis a sawifly Hd. rounded, light throads, Insp. Bt. Jun 24, Eggabell Cylin I then wide, green, party released, occili · die bas flut (log, grees unty amal I block month brownish body nearly cylin westreal ribs Dian Garm Vanta Wil ducal taying a littly each may from the round, take cally W. 3/mm oshe 4 middle. Wristorn green with a wentron and blate block, body very blackish aread time and arrang arried concolorwith a munter of about dance their. ous tubercles from which grow 7 h & Feet nomal Shin who (help ne at . cachatry sput white ban & ten In most fun 27 Head black thing, a few hair. W. Canal runs (003) durothe long dank 5? mu Bod duce black, furnished with han Konser follows O (2) beside each nous of short conical tubucks each with a other mas de Jose @ laberal Darphoty by hai blockich, those of 0 2 (3 on 16, 8 8 96 1 /10% smell & 16 beside inch other and full yellow. Hair bluckersh, feel bluck. sty the first one enjace (then the 5-1 fold) Investily 1 " Ind alight biloted, bluck, aling a few DS-V & S-V, at bucky legs (1) 4 Qual no black has from minte tuberde. W. Jum on arentes. Feet aroqual is. Betto, 5 aly Body block covered with spired) processes as on 7-10-513, the legt over alunder, clarke in Scapte, black but 3 dorest on to gett yellow larger At extremites the want an Jenson. this ofine block I unform the first of black aling many block lair from block black aling many block lair from block box (500 lid 193) Empaduly Lay, slender, preferred by cremaster only. The analy and toper; cases possely flack, animately dotted with yellow. Stryenses over and had was to extremy. Wrieform green the have I I have by 2.5 mm black except born a 3 dersel ones on 8,8 410

Shim house mainly of aret. which are scale william spring apparent. ambetyn 88 Gellow Ent. Celarge y avaged 2 200 Stafta (Sise in anax, lara) aldonio & & Still makes home aspetere advances a very governow gament Jactory e leaves aimlas to Syrumais. I lensal a day be 5- v horsen yellow him offens In some the substig yellow dashe alrund here 3 45 Ad rounded, mouth fart projecting form a continuou band, and there are a uniform and metron black, amount pales indication of a germinate yellow does line I ; assis base & antennae reddish. Could almost disappearing under the glass however. with black hair y considerable legit which July 12 Puple Leg 13 old layer eyes promet Marke with muneron aring geller thiray stery slight niely d along of line with are elevated from prob, centrally and a pen y prhjeron torberch beary whitesh hair of s-d amalla points, 2 point on the lateral The about of the body afrond are all edge of wing cases I I near rendelle of outer and or less colubers his the transless the buses shing the tracte marging wing a all rounded clarially, rearly attagly ventually occurate hours points David & and d 3 amperity & substa Jahre bace of less a chicken of the more with an observe golden trub dolled wit block lyrs fit . Inverdes. Join 2 homosofine & should mit smoly gray, hoodly dreally 344 hove but ton (8-d & lateral) which 13 (truly a grann d. line), namong stymotoly ten but two, both sodilie. one each sol on & broadly verticity, anne megaler e clanded (4) the 9th 1 10 th old ago.) Bud, deep blocks our thorax & cases. All the point triged il bornish subrentacly on the legs, a with alwing gold or house. L. 13 wyme now of observe intersequental stegmental Imajo July 21 Paparners carden. V red dots and a armito new of larger

Jale. 33 47 67 96 1.37 1.96 2.8 4.0 vate 70 1 Jours 3 5 7 9 1.4 2.0 2.8 4.0 directions sold only on 12, not near each Litate hair farro on willow, ysemite fin 20 Later marrow while deline, chage 3 d on 11. Ad bulfred flatte infrom, black ishing mother head beloved, by a string black month reachible W. 8 min Body culayed gnorth & 2 correspin bands each side of the donally of 12 and apparently alex at \$5 cly ens, white; fridat 1.8 cm. Body as before as the part is field by breed. Feed normal har long, white S-d tothe on 5 hours, Bristly black hair grow from black want a similar white one in b; short i-d divergent Janeils on 12 The fed black in 5 vous, (Outpercity wanting) BE & amale Tate the s d & 5 V boards become strongly body whiteh, alphost white is place especially 8-d for 10-12. The hai is should not red ofthe set high on 506 tufted from 5 dorsally. O's vegarace. asparate ento 2 little coch. here Jul 6, Ad beloved, black, gling, there white lines (the loves labrung annually 21.5 mier & Birg Het Alary aling Willed noward Brdy water black, a marrow interrupted dyferes londered first white 15 to he 1.47 homen. Tome covere braile hair by larren & Body block a sid rope of feal yellow ofthe yellow down time a structer but horder ornison sid are, and distinct only and a forming a shoot bound by 10-12 15-2 / msv more continue a vermen one, their fold smirlary orlayed borny. The 5 th & bush white, myed unt a few blook, him on 10-12 is drifflemented by a nomenon varying head, thicken on anderier part his felow it thirt ending on the fungan dy On jouil 4 5d, some hoursh plant Harr thick briefly, anyest block i white x have on 5 ton syd wift of vienge togto of shorter dollar black his Bod on 5 I bain I bely then a lateral try of almost meeting over the vack & a smole

1 29 AR about white have; on & there type i short white bair, the light and distribly separated Esp Bornabolonen of & B. indial July Ephenical smooth, pale lustins gellow Dime his awayd fan litse, On 12 to long (Unitales) drugent fencily black how Jord R a lith ladayed of held elimited. I with of the yellow d. live gives officione of the yellow drue ander of llegger, the red s-d a small winte trift just below each. Has the ofference of Diggie BB284 at 121 stances. a sins of the red wants & the boots of the home & white lifts & Jost. black parcel a few plumed that white have five (1) 6(2) on 3 64; orgen plumed brown trefts from 1000 and white?

on 6; long branch plumed placed former, from

DE & Other work are almost coalesced, I paid to 291 A Ser 3 18 4 Million with premit july the own short white from Boy 12, the world on 12 is small & astrockel first offender mill 18 15 Posticul unchanged, Hel, beliber get wish lin, the form hope, the loterounded, shing block africes of toles how. Stitus little contistion but hain, Spriach of objects a certal line white as alcolation Sprinces white ordy or to the south of the small faint ochhous hery (nochivarge, other lines down and aren't tribbacel from is affinance. wealth head 2,2 him pule, han long, works beneficiale. B Silfre, Het 2-3 hist s d hour is moderates Late the cue colo tight become hale hours ditties, pale yellow, no other line and (Dead July 27) Way to From. your owne was A. more with occupation of the green I cheel unfor put not sty men moto La fair yellow 5 of line, sur file marking of of Carrie. Lite steeling was district, the 5-d & lateral garner, V palegallers

Cale. 63 .96 1.48 2.27 3.5 ratio .65 H on Populus gundidentata fut Lee U.J. may 31 1896 Homes with her Bentenmüllen who twoke 2 3 stage It it exactly same! I wallowed Junes 3 out apr 14 1897 3 avimacula Hudsul's hudsul's hudsul's hudsul's him It John came to work Det 31 %. Ten dollars for Nov with bottom Head tretter at fles when each aids I clay ear think truces of a 34 become white has a abmention more district opened of gettinoish sold time & one cash puts Ofter shart, 12 per month. Dec 25 " paid Margaret, 10.00 offar 1912 291 Etremulades Etrelsamiferer Eluplisea on Joplan Mount July 2 1891 doral greet Horderd above very warrow Ad vor helet beloved soverbut flatters reaching many to the english and prate in font uniform pale green subtustion month pouts paler, jans black; w3.5 mm contention with the line on the head wife Ord log & stender, noetriforn i appraire the week is in its namuel attitude y lest. to home mor laterels, pilyeons ofthe Still late the modernater piliferer dot become absent the han being reduced to the aurinded with yellow then are 7 in each of aids where they applan more districtly on account of the wish asserted with from and ments. Emformy nonbrations pale geen, senitronsparent, James on venter & legles regiment L 41mm showing planny the proleation of durage very Began to evon between 2 leaves July & Cocori of an obscure fall yellow stymatal have 2 leaves & gammy silk slight but tough. Sprach dull ocher. Sit on web a back! of leaf. Teex mound, all use of concolute. but a nearly dylindreal, rounded, no cremoster; and opinitual, cases coursely the claspers whiteh Ley to 25 mm. creased; whost mujorn dery from, as stage advances to yellow lin on side of ment block, 6 17 W 6 V brad, Dig lind chatries, pak jellent Drugo at J.7. Jan 10, 1892 Cent up 6874 donal region whiteh green, survey another Keene Valley 20 19 June 29 1894 dear green dotted with yellow

6.6 ratio .65 Sule. 1.2 1.8 2.8 4.3 chary 13,891 elyen amall, A fale yanthown, ocelled Found 1.1 1.8 2.8 the three apritability was & tobio Which many H. G. 298AR of the state with side of bead to Add with beats W. 1.8 form VBody of winform under densely Egs by & H. californiein on the Coak lent ough covered with yellowich contral tuberels and July 3, 1891 Josemster. hearly Spherical, Nace as of now of tuberculated governe there on 3, 4, 6 2 12 much larger than the rest of specially the one or 3) and topping it 4 or 5, Where contail of mes Color fall branch flottened a little, coverdent hexagonal elevated retigulations from the intersection - gellow with indirection y a blockent of which anse short sprines. Color uniform band and faler subventuely as steps advances down becomes theded with how, leaf green mok a selvery brothe. W.1.5 min moex 38 25 Hollager than body, floo beling and Hatched July 14 X autother hatched July 13 Head 1.1 min aprecient flattend is from and reloted fort central antine offnessed, clypin amal, large, round blad on the food. side, roughered triengular; densely covered with Turverel, a don't now y long coment ofine along with a few little toberch that been amonte setal. Color pale word howing mouth dank Ithe seeds and wenter vertey, with unvito below the wester of each, lobe quela large rounded tuberle alve the veelli. Hd shown, ocalli black of Rod, cylindrical, write reddish brown, the elypens, a vertreat band shot corrical tubercle and many munito. find all the toberch 's offine yellowish igranulation, each unt a minute rota, The white; ocalli and the fift of the substrate of & lateral spines black! What Vie min Sich tribye blom 3, 4, 6212 one larger than the other, Colon green, the twovels pale yellowing Body as before, durch tuberculate, avery the telberch is the sel of severegions frantally the character of handing spines, On 3,4,6812 an a pair of 5-de large thicks processes (2,5 mm) as inejoint 12-13. Feet concolorors with body.] govered with granulation & large corneal spine Leight on yelliser from the egg, 4.5 mm like thise on the head; on 8 ell a smaller but girinlen pair, Senecul color light redelich Builds a fuch of the of least at end of the least. In They so the large rounded densely to the least. your, with a greenish truly expecially on the side. The process are how, most yet tuberels i after yellowish with by ju thath 3 spines arranged in a Dat The agree of couch with thomash trings Him are tiffed with black. Trace of a black Std. lim and block ansulf marker between lobe; fale greensly with 2 horn shods, me before De procession 3, 4,6 612 V t one behind the eye mining nearly to vertex,

a st. adv. the olive green assumes a nation molf Jul 31 Hand very large, glattered before and vehind, affinished the most beloved, the lighter think and already into yellowish at the strong spropers Lugeo began to turn other yellow in patches is vertex than Yes Eight granulation but and to the lateral edge evertex course how a promise how all especially between the at house of thouse Any 11 entirely strangellow more with velow that been pale bown and I by toft on back of the Pupa Shapel somother as in Linemtis. a loy, fourted, three sided sugular cutering ed with many shorter tubecker, much prontinues over each eye Va carmated e as in the prenon stafe in Beaun with a find with try in front fall believed & below, a lafty ridge rims the length of the dorson beind over the obelle o anothe observe one with ion the throng pood. elevated into a I sid clypers whiteh labour white veelle prominered howich direction aspids Albearete the opines except a black my below preteriorly it out out, pent, y and a la body derivery covered with a white W. 4 min flattered promise, anch or in is provided geldowish to becels on an olive green Lemite dux lus chake-like from which the ridge continue down and end a along the 18-4 field thegettubeck are very long about 2 ago from end / my cuses very I and thete which you to appearence of a promise, projecting alone the surface yelwyst 5-1 line a father your of angles I pupa, and and ungular fort sety contract tubereliflager than theore of book · Ex vace, & the outer margin elevatel the over an 3 havefull; non in 2 or 13 the Color pale word hom with any Toubdraul and processes are very toy end "olive danker from strigue, a dank lage three on 3, 4, 6 bit the cargest / 5 min shown these celons down down the darle home extend with many conical edges of they cases a the growth ever there afrom of very as length white trypped the eyes. & Between the the 4 and with black N Out, most of procession 5 any a alym tiberile; on) a community lage one provinces, along the through together hundred; on 8 /6 11 a anodrote process (20mm) lateral and back I the eyes are On the feet should rain artse from the granulation dage yellowsh-white metallic petetus, L 23 w 9 mm lut not elsewher in the lody. Sprinch in Inequality 23 2 fainty venely Vinned, the dother concolorous when at deat the freed is torned down, on the feet alerated, the profes cateries through former of these on to leave the transfer to be a leave the transfer to be a leave the transfer to the tr Heterodura californica

